

&lt;!--StartFragment--&gt;RESULT 1

Q80WQ6\_MOUSE

ID Q80WQ6\_MOUSE PRELIMINARY; PRT; 827 AA.

AC Q80WQ6;

DT 01-JUN-2003, integrated into UniProtKB/TrEMBL.

DT 01-JUN-2003, sequence version 1.

DT 13-JUN-2006, entry version 19.

DE Rhomboid-like protein 6 (Rhomboid-related protein).

GN Name=Rhbdf2; Synonyms=Rhbd16, Rhor;

OS Mus musculus (Mouse).

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;

OC Muroidea; Muridae; Murinae; Mus.

OX NCBI\_TaxID=10090;

RN [1]

RP NUCLEOTIDE SEQUENCE.

RC TISSUE=Embryo;

RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,

RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

RA Fahey J., Helton E., Kettelman M., Madan A., Rodrigues S., Sanchez A.,

RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

RA Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,

RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;

RT "Generation and initial analysis of more than 15,000 full-length human

RT and mouse cDNA sequences.";

RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).

RN [2]

RP NUCLEOTIDE SEQUENCE.

RC TISSUE=Embryo;

RG NIH MGC Project;

RL Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

RN [3]

RP NUCLEOTIDE SEQUENCE.

RC STRAIN=BALB/c; TISSUE=Skin;

RA Kong X., Li S., Shi Y., Teng X., Hu L., Zhu Y.;

RL Submitted (OCT-2002) to the EMBL/GenBank/DDBJ databases.

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CC

DR EMBL; BC052182; AAH52182.1; -; mRNA.

DR EMBL; AY167043; AA034122.1; -; mRNA.

DR MEROPS; S54.953; -.

DR Ensembl; ENSMUSG00000020806; Mus musculus.

DR MGI; MGI:2442473; Rhbdf2.

DR GO; GO:0016021; C:integral to membrane; RCA.

DR InterPro; IPR002610; Rhomboid\_like.

DR Pfam; PF01694; Rhomboid; 1.

SQ SEQUENCE 827 AA; 93434 MW; 650052E5A4BD9CA5 CRC64;

Query Match 100.0%; Score 4440; DB 2; Length 827;  
 Best Local Similarity 100.0%; Pred. No. 1e-294;  
 Matches 827; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MASADKNGSNLPSVSGSRLQSRKPPNLSITIPPPESQAPGEQDSMLPERRKNPAYLKSVS	60
Db	1	MASADKNGSNLPSVSGSRLQSRKPPNLSITIPPPESQAPGEQDSMLPERRKNPAYLKSVS	60
Qy	61	LQEPRGRWQEGAEKRPGFRRQASLSQSIRKSTAQWFGVSGDWEGKRQNWHRSLHHCSVH	120
Db	61	LQEPRGRWQEGAEKRPGFRRQASLSQSIRKSTAQWFGVSGDWEGKRQNWHRSLHHCSVH	120
Qy	121	YGRLLKASCQRELELPSQEVPSFQGTESPKPKCKMPKIVDPLARGRAFRHPDEVDRPHAAHP	180
Db	121	YGRLLKASCQRELELPSQEVPSFQGTESPKPKCKMPKIVDPLARGRAFRHPDEVDRPHAAHP	180
Qy	181	PLTPGVLSLTSFTSVRSGYSHLPRRKRIsvAHMSFQAAAALLKGRSVLDATGQRCRHVKR	240
Db	181	PLTPGVLSLTSFTSVRSGYSHLPRRKRIsvAHMSFQAAAALLKGRSVLDATGQRCRHVKR	240
Qy	241	SFAYPSFLEEDAVDGADTFDSSFFSKEEMSSMPDDVFESPPLSASYFRGVPHSASPVS	300
Db	241	SFAYPSFLEEDAVDGADTFDSSFFSKEEMSSMPDDVFESPPLSASYFRGVPHSASPVS	300
Qy	301	GVHIPLKEYSGGRALPGPTQRGKRIASKVKHFAFDRKKRHYGLGVVGNWLNRSYRRSISS	360
Db	301	GVHIPLKEYSGGRALPGPTQRGKRIASKVKHFAFDRKKRHYGLGVVGNWLNRSYRRSISS	360
Qy	361	TVQRQLESFDSHRPYFTYWLTFVHIIITLLVICTYGIAPVGFAQHVTTLVLKNRGVYES	420
Db	361	TVQRQLESFDSHRPYFTYWLTFVHIIITLLVICTYGIAPVGFAQHVTTLVLKNRGVYES	420
Qy	421	VKYIQQENFWIGPSSIDLHLGAKFSPCIRKDDQIEQLVRRERDIERTSGCCVQNDRSGC	480
Db	421	VKYIQQENFWIGPSSIDLHLGAKFSPCIRKDDQIEQLVRRERDIERTSGCCVQNDRSGC	480
Qy	481	IQTLKKDCSETLATFVKWQNDTGPSPDKSDLSQKQPSAVVCHQDPRTCEEPASSGAHIWPD	540
Db	481	IQTLKKDCSETLATFVKWQNDTGPSPDKSDLSQKQPSAVVCHQDPRTCEEPASSGAHIWPD	540
Qy	541	DITKWPICTEQASNHTGLLHIDCKIKGRPCCIGTKGSCEITTREYCEFMHGYFHEDATL	600
Db	541	DITKWPICTEQASNHTGLLHIDCKIKGRPCCIGTKGSCEITTREYCEFMHGYFHEDATL	600
Qy	601	CSQVHCLDKVCGLLPFLNPEVPDQFYRIWLSLFLHAGIVHCLVSVVFQMTILRDLEKLAG	660
Db	601	CSQVHCLDKVCGLLPFLNPEVPDQFYRIWLSLFLHAGIVHCLVSVVFQMTILRDLEKLAG	660
Qy	661	WHRISIIFILSGITGNLASAIFLPYRAEVGPAGSQFGLLACLFVELFQSWQLLERPWKAF	720
Db	661	WHRISIIFILSGITGNLASAIFLPYRAEVGPAGSQFGLLACLFVELFQSWQLLERPWKAF	720
Qy	721	FNLSAIVLFLFICGLLPWIDNIAHIFGFLSGMLLAFALPYITFGTSDKYRKRALILVSL	780
Db	721	FNLSAIVLFLFICGLLPWIDNIAHIFGFLSGMLLAFALPYITFGTSDKYRKRALILVSL	780
Qy	781	LVFAGLFASLVWLWLYIYPINWPWIEYLTCFPFTSRFCEKYELDQVLH	827
Db	781	LVFAGLFASLVWLWLYIYPINWPWIEYLTCFPFTSRFCEKYELDQVLH	827